

## Site activities IVO Gold King Mine Release

05SEP2015

Agency/Organization	Number of Personnel
EPA	03
USCG	03
ER	05
START	02
Harrison Western	03
Rain for Rent	03
Visitors	00
Total Personnel	19

### Site work–

- Widen the road to Gold King Mine
- Complete installation of security gate for Gold King Mine

### Water Treatment –

- Lime addition is ongoing (8lbs every 09 min); flocculent used if needed.
- Automated lime hopper is being used to dispense lime.
- Diverting Gold King mine water to the R&B settling ponds.
- Installed oil boom modified with felt liner to act as sediment curtains and dissipate the energy flow of water through the R&B ponds.

### Water quality Sampling – START Data submitted separately.

- Water quality parameters collected at 05 locations two times daily.
- Flow Rate of 580 GPM with a pH of 3.33 was recorded at 0845 from the Gold King Mine adit portal.
- Flow Rate of 550 GPM with a pH of 3.37 was recorded at from the Gold King Mine adit portal.

### Waste rock relocation –

- Finalize the strategy for the removal of waste rock.
- Rain for Rent is installing 6” pipeline for the diversion of Cement Creek in order to conduct waste rock recovery operations.

### Gladstone Settling Pond–

- Finish up Gladstone settling ponds 1-4.

### Gold King Mine Ops –

- Bolts and wire mesh are being installed in and around the adit/portal to the Gold King Mine in an effort to stabilize area.

**Media Interest –**

- No media interest or VIP/visitor tours today.

**Logistics –**

- Determine appropriate shelter for lime addition area.
- Received an additional work trailer at Gladstone staging area.
- Received a two seat fully enclosed ATV.

**Future Actions –**

- Develop additional rerouting options and engineering solutions for diversion of water from R&B to Gladstone.
- Obtain survey results from Goff Co. to develop work plan for the Gold King Mine waste dump.
- Automated lime treatment system in development for the Gladstone.
- Evaluate location for winter treatment options.
- Prepare for Cement Creek clean out of impacted material and debris. This includes temporary pump-around and installation of sediment controls in Cement Creek near Gladstone.
- Removal of Gold King emergency treatment ponds. Drain, dry, muck and remove.
- Mobilize the additional trailer at the Gladstone Staging Area. Trailer will need to be outfitted for operations.
- Harrison Western will be putting in more piping up at the Gold King mine.
- Harrison Western is planning on bringing in two semis of “shot-crete” and at least 500 gallons of water per day to get the mine stabilized.